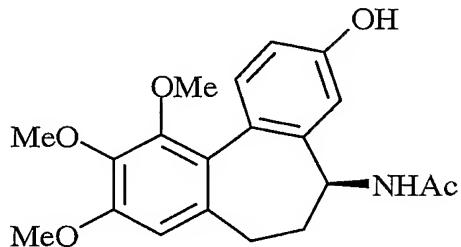


CLAIMS

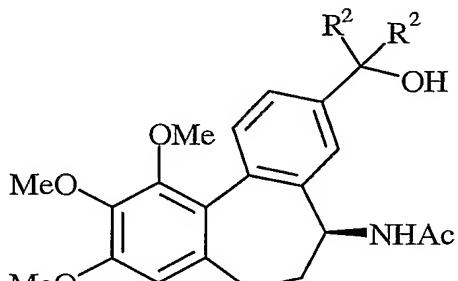
1. A process for the preparation of ZD6126 Phenol:



5

ZD6126 Phenol

from a ZD6126 Alcohol of formula (II):



(II)

wherein R² are each independently hydrogen, C₁₋₄alkyl or aryl which comprises:

- 10 reacting said ZD6126 Alcohol of formula (II) with an acid catalyst and an oxidising agent.

2. A process according to claim 1 wherein the acid catalyst is an sulfonic acid.

3. A process according to claim 1 wherein the acid catalyst is methanesulfonic acid.

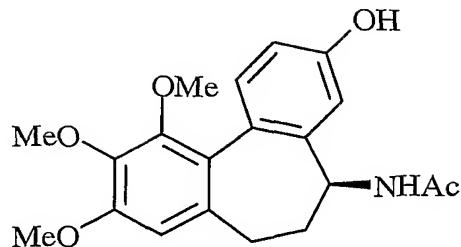
15

4. A process according to any one of the preceding claims wherein the reaction is carried out in the presence of a solvent selected from an aromatic solvent, an ester and an ether.

5. A process according to any one of claims 1 to 3 wherein the reaction is carried out in
20 an aromatic solvent selected from toluene and chlorobenzene, or a mixture of two or more of said solvents.

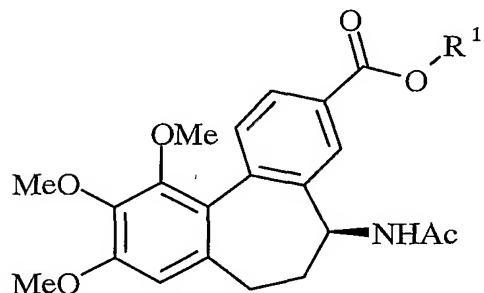
6. A process for the preparation of ZD6126 Phenol:

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ZD6126 Phenol

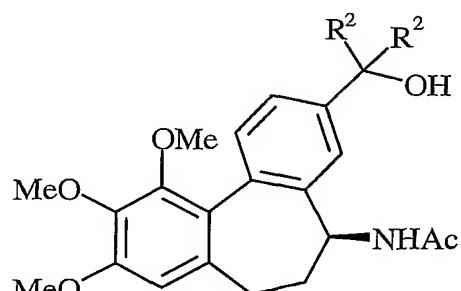
from an allocolchicine or an ester derivative thereof of formula (I):



5 (I)

wherein R¹ is hydrogen, C₁₋₆alkyl or aryl; which comprises:

- a) reacting said allocolchicine or an ester derivative thereof of formula (I) with a suitable organometallic reagent and / or a suitable reducing agent; in one or more ethereal solvents to form ZD6126 Alcohol of formula (II):



10 (II)

wherein R² is hydrogen, C₁₋₄alkyl or aryl; and

- b) reacting ZD6126 Alcohol of formula (II) with an acid catalyst and an oxidising agent.

15 7. A process according to claim 6 wherein R¹ is C₁₋₄alkyl or aryl.

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8. A process according to claim 6 wherein in step a) of the process the allocolchicine or an ester derivative thereof of formula (I) is reacted with a suitable organometallic reagent and wherein R¹ is C₁₋₄alkyl or aryl.

5

9. A process according to any one of claims 6 to 8 wherein the organometallic reagent in step a) of the process is selected from a compound of the formula R²-X, wherein R² is as defined claim 6 and X is a magnesium halide or lithium.

10 10. A process according to any one of claims 6 to 8 wherein the organometallic reagent in step a) is methylolithium.

11. A process according to any one of claims 6 to 10 wherein the one or more ethereal solvents is selected from tetrahydrofuran, diethyl ether, diethoxymethane, 2-ethoxyethylether, 15 2-methoxyethyl ether and dimethoxy ethane, or a mixture of one or more of said solvents.

12. A process any one of claims 6 to 11 wherein in step a) the allocolchicine or an ester derivative thereof of formula (I) is added to a reaction mixture comprising the organometallic reagent.

20

13. A process according to claim 12 wherein the organometallic reagent is methylolithium.

14. A process according to any one of claims 6 to 13 wherein the acid catalyst in step b) is a sulfonic acid.

25

15. A process according to claim 14 wherein the acid catalyst in step b) is methanesulfonic acid.

16. A process according to any one of claims 6 to 15 wherein in step b) of the process is 30 carried out in the presence of a solvent selected from an aromatic solvent, an ester and an ether.

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17. A process according to any one of claims 6 to 15 wherein in step b) of the process is carried out in the presence of an aromatic solvent selected from toluene and chlorobenzene, or a mixture of two or more of said solvents.

5 18. A process according to any one of claims 6 to 17 wherein, the process is effected in one stage, without isolation of ZD6126 Alcohol of formula (II).

19. A process according to any one of claims 6 to 18 wherein R¹ is C₁₋₄alkyl.

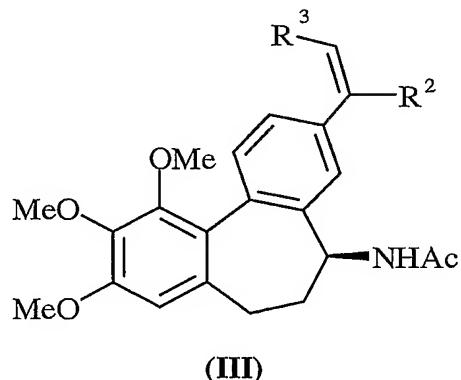
10 20. A ZD6126 Alcohol of formula (II) as defined in Claim 1, with the proviso that R² cannot both be methyl or both be hydrogen.

21. A process for the preparation of a ZD6126 Alcohol of the formula (II) as defined in claim 6 which comprises reacting allocolchicine or an ester derivative thereof the formula (I) 15 as defined in claim 6 with a suitable organometallic reagent and/or suitable reducing agent in one or more ethereal solvents.

22. Use of a ZD6126 Alcohol of formula (II) as defined in claim 1 in a process for the preparation of ZD6126 Phenol.

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23. A ZD6126 Alkene of formula (III):

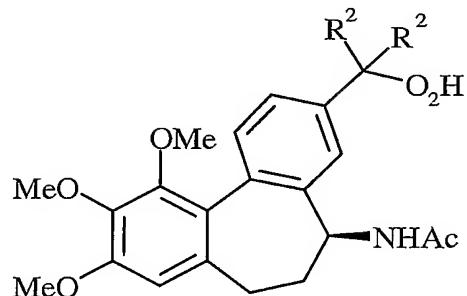


wherein R² is hydrogen, C₁₋₄alkyl or aryl and R³ is hydrogen or C₁₋₃alkyl.

25

24. A process for the preparation of ZD6126 Alkene of formula (III) as defined in claim 23 which comprises reacting a ZD6126 Alcohol of the formula (II) as defined in claim 1 wherein at least one R² group is C₁₋₄alkyl, with an acid catalyst.
- 5 25. A process for the preparation of a ZD6126 Phenol which comprises reacting a ZD6126 Alkene of formula (III) as defined in claim 23 with an acid catalyst and an oxidising agent.

26. A ZD6126 Hydroperoxide of formula (IV):



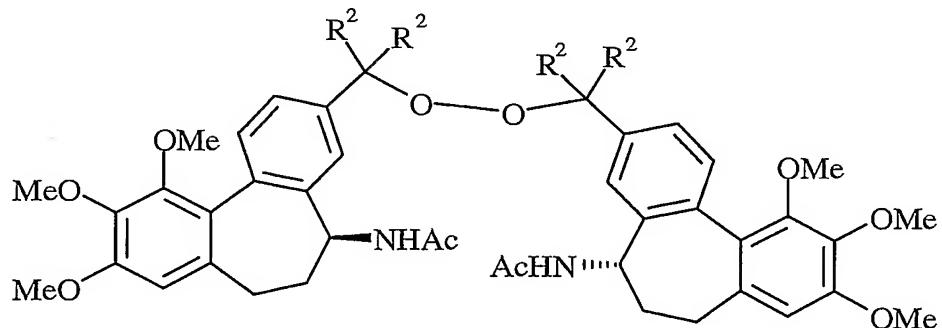
(IV)

wherein R² are each independently hydrogen, C₁₋₄alkyl or aryl.

- 10 27. A process for the preparation of a ZD6126 Hydroperoxide of formula (IV) as defined in claim 26 which comprises reacting a ZD6126 Alcohol of the formula (II) as defined in
15 claim 1 with an acid catalyst and oxidising agent.

28. A process for the preparation of ZD6126 Phenol which comprises reacting a ZD6126 Hydroperoxide of formula (IV) as defined in claim 26 with an acid catalyst.

- 20 29. A ZD6126 Reactive Dimer of formula (V):



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(V)

wherein R² are each independently hydrogen, C₁₋₄alkyl or aryl.